XGPS300

GPS Navigation & Battery Cradle

INSTALLATION/
OWNER'S MANUAL

Dual

Preparation

The XGPS300 turns any iPod touch® into a fully-featured GPS navigation device with real-time, voice prompted turn-by-turn directions. Use the included Car Windshield Mount to secure the iPod and cradle to the vehicle for easy access while on the road.

Note: The XGPS300 is only designed to fit an iPod touch. Inserting any other device, such as iPhone® can cause damage to both the unit and the device.

Mounting Location
- Attach Mount in location that is easily within reach from driver's seat.
- Ensure that chosen location will not obstruct visibility, mirrors, airbags or any vehicle controls.

  Note: Certain states regulate mounting locations for safety reasons. Be sure to check and adhere to local regulations when attaching Mount.

  Note: A GPS signal strength indicator will appear in top right corner of screen during navigation. If signal strength is weak for no apparent reason, try changing mounting location to ensure optimal signal strength.

Attaching Holder
- Align four slots on back of Holder with four clips on front of Mount as illustrated in Figure 1 (at right). Slide until Holder clicks into place.
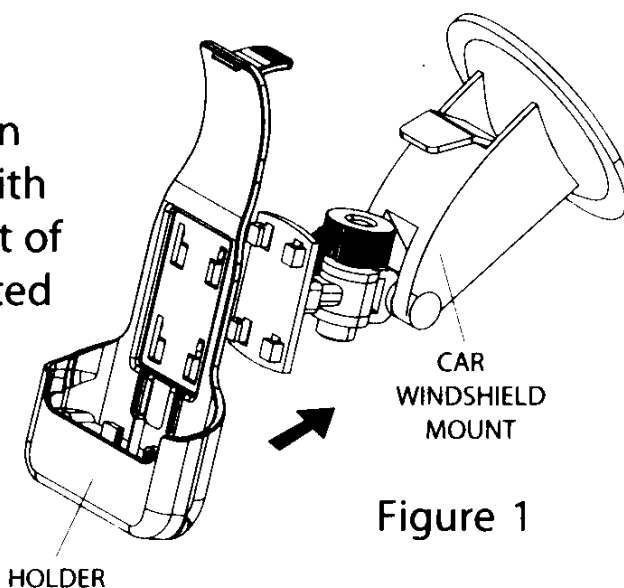
CAR WINDSHIELD MOUNT

HOLDER

Figure 1

Installation

Installing Car Windshield Mount
- For best hold, first clean the windshield glass in desired mounting location.
- Raise lever on Mount, attach to Mount to window in desired location and depress lever to secure.

Attaching iPod touch
- Slide iPod touch into Cradle as illustrated in Figure 2 (below). If using first generation iPod touch, remove rubber spacer from Cradle before inserting iPod.

Figure 2

iPod touch

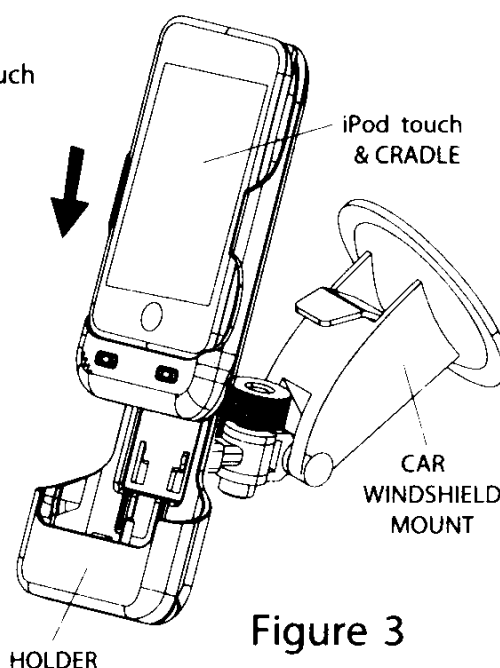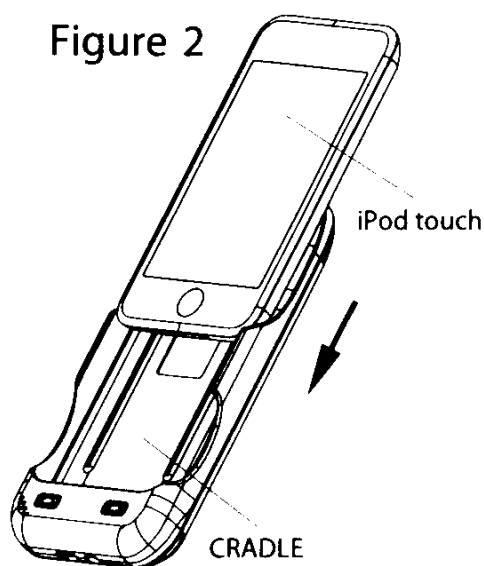CRADLE

iPod touch & CRADLE

CAR WINDSHIELD MOUNT

HOLDER

Figure 3

- Slide iPod touch and Cradle into Holder as illustrated in Figure 3 (above).
- To adjust viewing angle, tighten octagonal nut to hold the Holder in place, then rotate to desired viewing angle.
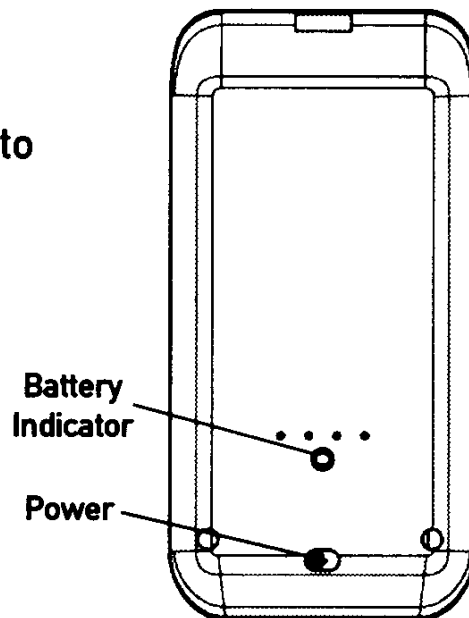
Cradle Controls

Battery Indicator
Press **Battery Indicator** button, and the four LED lights above will illuminate to indicate current charge.

Power Switch
Move **Power** switch to GPS to power GPS function. When not using GPS, move **Power** switch to Battery to charge iPod touch or to Off to save battery.
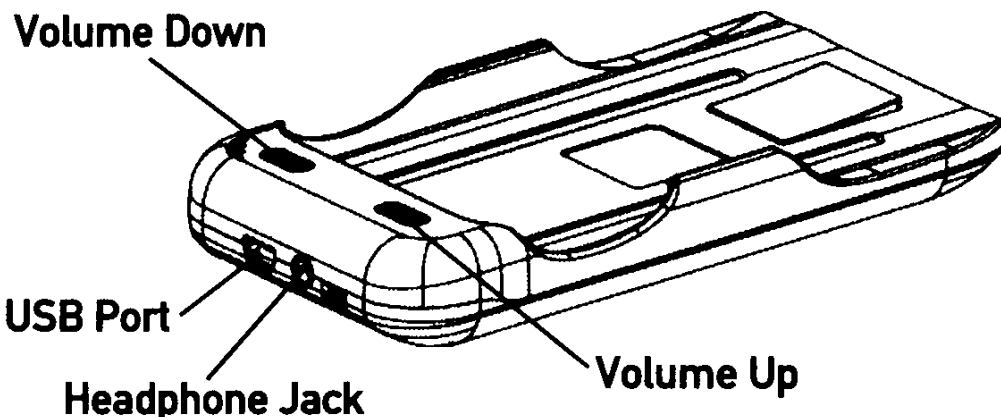
Battery Indicator

Power

Volume
Volume controls on Cradle allow easy volume adjustment.

Headphone Jack
To listen with headphones, plug headphones into headphone jack at base of unit.

USB Port
Use included mini USB to USB cable to connect unit to computer for charging / syncing iPod.

Volume Down

USB Port

Headphone Jack

Volume Up

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Holder Wiring

12V Power Adaptor
Use included 12V power adaptor to connect Holder to vehicle's power source to power GPS or charge iPod.

Audio Out
Use Audio Out port to connect Holder to vehicle stereo system with 3.5 mm mini stereo audio cable (not included).

Removing iPod
To remove iPod and Cradle from Holder, pull back on tab at top of Holder, and iPod and Cradle will slide out easily.

Note: Navigation functions will operate even when iPod and Cradle are not positioned in Holder.

Getting Started

Installing Software
To enable navigation on iPod touch, launch iTunes on computer and connect to iTunes Store. Search for / download NavAtlas application, then sync iPod.

Launching NavAtlas
From iPod main menu, select NavAtlas icon to activate application and begin navigation.

Note: Navigation only works when iPod is installed in Cradle. If navigation error messages appear, ensure proper installation and make sure power switch is on.
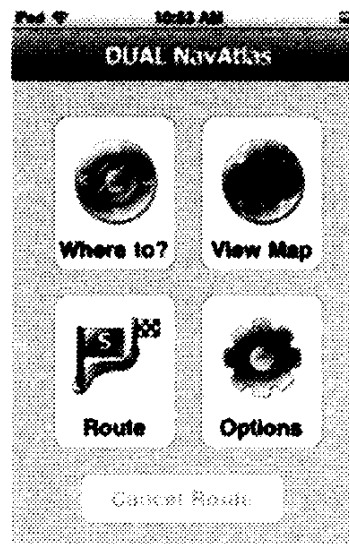
Note: The first time the software runs, displayed location may not be near actual location. Location will be automatically updated when device is taken outside and can receive GPS signals.

Navigation

Main Menu

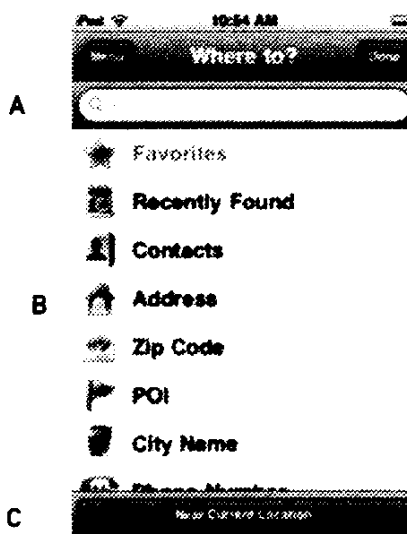When NavAtlas application is accessed on iPod touch, a Main Menu will appear showing the following options:
- Where to?
- View Map
- Route
- Options

Where to?

Search for a location by keyword, contacts, address or phone number, or access saved Favorite locations.

A. Touch **keyword search** box, and unit will display a keypad. Input keyword(s), and touch Search. Unit will display a list of locations. Touch location to select.

B. Select option to search by stored **Favorites**, **Recently Found** locations, **Contacts**, **Address**, **Zip Code**, points of interest **(POI)**, **City Name**, **Phone Number**, **Coordinate**, **Emergency** location and locations saved as **My POI**.

C. Touch "Near Current Location" bar to qualify search. Options include: **Near Current Location** and **Search in Selected City**.

Once desired location has been found using one of the above search functions, touch **Go!** to begin navigation. To cancel navigation at any time, select **Cancel Route** from Main Menu.

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Navigation

Navigation Screen

The Navigation Screen will be displayed when a route is set.

A. Touch to manually update current location.

B. Press **Menu** to return to the Main Menu at any time.

C. Press to hide or reveal navigation screen icons.

D. Press to enter simulation mode.

E. Touch to toggle between three available Map View options: **North Up, Heading Up** and **3-D.**

F. Press "+" to zoom in for more detail; press "-" to zoom out to view a larger map area.

G. Displays next street name.

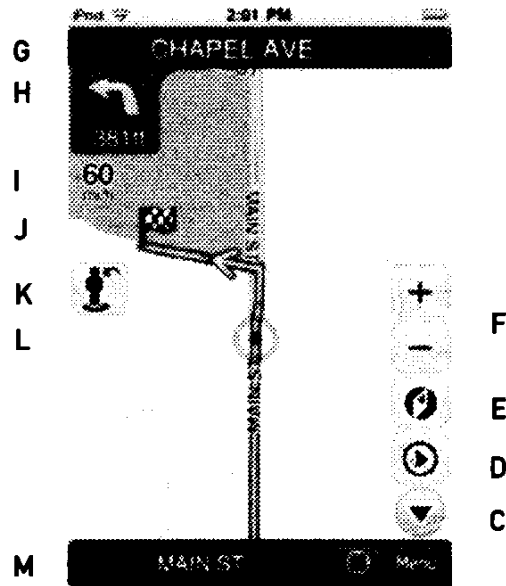H. Displays direction / distance remaining until next turn.

I. Displays current speed.

J. Indicates destination location.

K. Press to move current location on map to center of screen.

L. Indicates last GPS receiving position.

M. Displays current street name.

Route

Route
Press **Route** on Main Menu to display Route Menu, which includes the following options.

Current Route

Edit Route

Open Route

Manage Route

Reverse Routing

Current Route
Press **Current Route** to view information on starting location and destination, as well as to select additional options: Route Option, Route Intersections, Route Preview, Detour, Reverse Route Search and Cancel Route.

Edit Route
Press **Edit Route** to make changes to current route during navigation.

Open Route
Press **Open Route** to access a route that has been previously stored.

Manage Route
Press **Manage Route** to edit or delete stored routes.
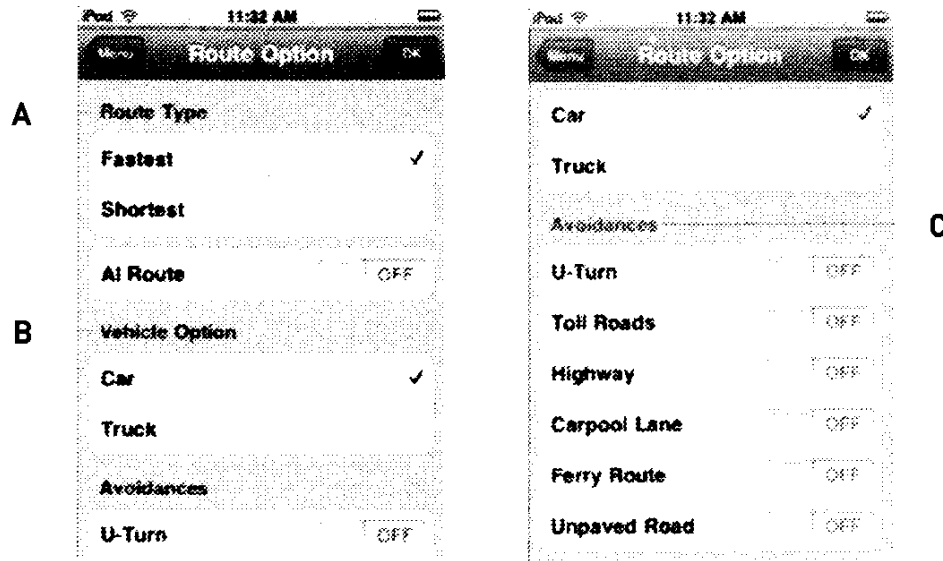
Reverse Routing
Press **Reverse Routing** to reverse a stored route.

Note: You may exit map view temporarily during navigation to adjust options on another screen. To return to map view, select Route from Main Menu, then touch Done button in the top right corner of screen.

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Options

Options

From Main Menu, select Route Option to manually adjust route options.

A. Select a **Route Type**:
- Fastest: Selects route with fastest driving time.
- Shortest: Selects route with shortest distance.
- Al Route: Utilizes stored information to design route based on user driving habits.

B. Select a **Vehicle Option**:
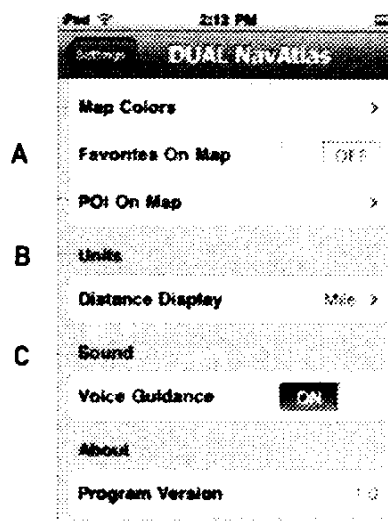- Car: Selects best route for cars.
- Truck: Selects best route for trucks.

C. Select **Avoidances**, including:
- U-Turn
- Toll Roads
- Highway
- Carpool Lane
- Ferry Route
- Unpaved Road

Settings

Settings

From iPod main screen, press **Settings** then **NavAtlas** to display Settings Menu, which includes the following options.

A. Adjust **Map Display** options:

- **Map Color Mode** - Choose between **Day** (light) or **Night** (dark) map display. Selecting **Automatic** enables the unit to automatically change display based on current time.

- **Map Colors** - Select colors for map display.

- **Favorites on Map** - Select symbol used to indicate Favorites on map.

- **POI on Map** - Select symbol used to indicate POI on map.

B. Adjust **Units** to display in either miles or kilometers.

C. Turn **Voice Guidance** prompts On or Off.

Store Favorites or POI

- Press desired location when visible on map.

- Press the "+" in the bottom left corner of screen.

- Select either **Add to Favorites** or **Add to My POI**.

- If desired, use keypad to enter new location name when prompted.

- Press **Done**, and information will be stored.

Limited One-Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state. Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

Who is covered? This warranty is extended to the original retail purchaser for products purchased from an authorized Dual dealer and used in the U.S.A.

What is covered? This warranty covers all defects in material and workmanship in this product. The following are not covered: software, installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product. Specific license conditions and copyright notices for the software can be found via http://www.dualav.com.

Limited One-Year Warranty (Cont'd)

What to do?

1. Before you call for service, check the troubleshooting guide in your owner's manual. A slight adjustment of any custom controls may save you a service call.

2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.

3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.

4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

- Call us toll-free at 1-866-382-5476
- E-mail us at cs@dualav.com

Exclusion of Certain Damages: This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.

General
Cradle Dimensions (WxHxD) : 2.5" x 5.1" x 0.8"
Holder Dimensions (WxHxD) : 2.8" x 5.8" x 1.0"

Voltage
Cradle input voltage: 5V DC.
Note: Please use only the included USB cable
for connecting to a computer.

Holder input voltage : 5V DC
Note: Please use only the included cigarette jack
power adapter for in-car use.

Cigarette jack power adapter
Input : 12V DC ~ 24 V DC
Output : 5V DC

GPS
50-channel u-blox5 engine

Internal Battery
Capacity: 1,100mAH
Operation time: approximately 10 hours
(GPS mode, volume level set at 50%)
Charging time : 4 hours

Please note: design and specifications are subject to
change without notice.

Environmental Requirements

With iPod touch
    Operating temperature: 32° to 95° F (0° to 35° C)
    Nonoperating temperature: -4° to 113° F (-20° to 45° C)
    Relative humidity: 5% to 95% noncondensing

Without iPod touch
    Operating temperature: 14° to 140° F (-10° to 60° C)
    Nonoperating temperature: -4° to 176° F (-20° to 80° C)
    Relative humidity: 5% to 95% noncondensing

Please note: design and specifications are subject to change without notice.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment under FCC rules.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
· Reorient or relocate the receiving antenna.
· Increase the separation between the equipment.
· Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
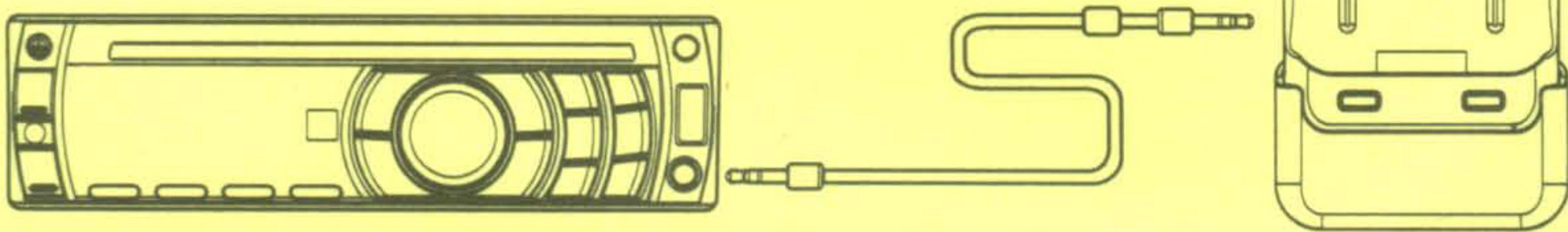· Consult the dealer or an experienced radio/TV technician for help.

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CAUTION

Please use the included 3.5mm to 3.5mm cable to connect the XGPS300 to your car stereo. Problems with the sound may occur if a different cable is used.

Important iPod touch 2G Information